SBR No. 19/22-23
DATED 05/09/22-23

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR.No. 19/22-23

Date 05/09/22-23

No. 1st & Final bill

Division: **Electrical (yelahanka)**

Sub-Division: **Electricals**

Bill Received No. Dated

Divisional

Sub Divisional

Cash Book Voucher No..... Dated.....

Job Code :-005-21-000095

Schedule Docket No.

Head of Account : P-CODE:P0300

D.R.No. :

Name of Work:- Replacing burntout and deteriorated UG cables by AB Cable From Bellahalli to Reva College in ward no 05.

Name of Contractor and Full Address: **M/s Prashanth Electrical.**

Reference to Agreement No:- EE(ele)/YZ/W.O/000006/2021-22 Date 17/11/2021

Certified that the measurements were taken by me on 7/6/22 and recorded of Pages 257326 to 7331 of measurement Book No. 2574/21-22 and that the work is satisfactorily executed.

For PRASHANTH ELECTRICALS

Proprietor

Contractor

Officer-in-charge of work

Certified that the measurement were taken by me on 7/6/22 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Assistant Executive Engineer (Ele)
BESCOM Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Bill Amount 784646:00
2)	Deduct amount to be held in reserve being .....percent Rs.....	
3)	" Balance	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... towards cash advance recovery of	Amount adjusted
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7)	Net amount due to or from Contractor	unadjustments items.
8)	Advance to Contractor for materials brought to site (as detailed) within.	
9)	Value of Government materials supplied.	

IT 1%.	7846:00
LWC 1%	7846:00
CBT.0.1%	785:00
CGST 1%	7578:00
SGST 1%	7578:00
Fine	12091:00
Deduction	43724:00
bycheque	740922:00

Total amount adjusted

For PRASHANTH ELECTRICALS

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands)

Proprietor

(For use in the Office)

Witness

1.

2.

For PRASHANTH ELECTRICALS

Dated

Signature of Contractor

Paid by me by Cheque No.....Dated.....

Proprietor

Cash Rs.....

Dated.....

Initials of Officer making payment

Stamp

D0300 M and Rate Street light

ರೂ: 784646:00 ಆಡಿಟ್ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ

ರೂ: 740922:00 ಚೆಕ್ Executive Engineer

ರೂ: 43724:00 ಹೊಂದಾಣಿಕೆ ಮಾಡಿದೆ

S. Saroopakte.

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ

Sl. No	Description	Un
	Name Of Work:- Replacing burntout and deteriorated UG cables by AB Cable From Bellahalli to Reva College in ward no 05.	
1	Fabricating, supplying and erecting swaged **tubular pole** of height ...Mtr having three sections, and providing two coats of red oxide paint and finished with two coats of enamelled paint of approved quality and colour and M.S. base plate of suitable size welded at the bottom of the pole(as per IS) and 40mm dia GI / flexible PVC pipe of 1 mtr length fitted to the heavy gauge polycarbonate control box including 5way connector of size 167x125x82mm for 7.5M pole/200x160x98mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB / DP switch, The pole shall be erected in cement concrete work (1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be up to 0.6M above ground level as per IS 2713 - 7.Erection of heavy duty pole on Footpath / median 9Mt (5Mt Hb,165.1mm dia 4.85mm thick x2M Hm, 139.7mm dia 4.50mm thick x 2M Ht,114.3mm dia 3.65mm thick) as per IS 410 SP 32	Nos
2	Supplying and fixing telescopic M.S. bracket fabricated by using 0.5m length 4" dia telescopic M. S. pipe, with 2" dia 1.5m long M. S. bracket and are welded with suitable angle, using 6mm thick M. S. sheet, grip bolts & nuts, as required, suitable for 9 to 12 Mtrs. M. S. tubular pole, with necessary two coats of painting, with all other accessories.Single bracket 1.5 Mtr. Length	
3	Fixing halogen/metal halide / SVL / IL / LED floodlight fitting over existing pole / wall ceiling including clamps, bolts, nuts and wiring using suitable capacity wires.	Each
4	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 5) 3.5 core 25 sqmm	Mtr
5	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. 7) 25 sqmm to 75 sqmm	Per
6	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) 2) In soil (ordinary)	Mtr
7	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint. 2) 50x50x6mm	Per Mtr
8	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE, 1) 100Amps 25kA.	Each
9	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 4) 100Amps	Per Mtr
10	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. 1) 14SWG	Mt
11	Supplying and fixing hylum plastic sheet 3mm thick with necessary nitches for fixing switches, regulators etc., and fixing on existing wood or metal box using N.F. screws.	Sqm
12	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia	Nos
13	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required.25x3mm GI strip	Mt
14	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV.40mm	Mt

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		5	8434.80	42174.00	5	42174.00	
		5	766.80	3834.00	5	3834.00	
		5	111.82	559.10	5	559.10	
		497	115.02	57164.94	497	57164.94	
		497	22.36	11112.92	497	11112.92	
		398	48.56	19326.88	398	19326.88	
		28	210.87	5904.36	28	5904.36	
		4	2894.67	11578.68	4	11578.68	
		12	223.01	2676.12	12	2676.12	
		35000	0.26	9100.00	35000	9100.00	
		10000	0.15	1500.00	10000	1500.00	
		4	1916.81	7667.24	4	7667.24	
		25	47.92	1198.00	25	1198.00	
		0	214.06	0.00	0	0.00	

15	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.25Sqmm	Nos
16	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.10. sqmm	Mtrs
17	Wiring for lighting/power circuit using one of PVC insulated 1100V grade, stranded Aluminium wire single core in open or concealed system of wiring. 4 sqmm	Mtrs
18	Hiring of 35 tons capacity Crane for releasing and refixing of High Mast	Hrs
19	Supplying & Fixing of 250W/400W High Pressure Sodium Vapour tubular Lamp with Xenon filled gas with luminous efficiency of greater than 140 lumen/watt or initial lumens of greater than 55000 lumens & avg rated life greater than 26000 hrs. & minimum starting temperature of (-) 40 deg C & Hot restrike time <60 Sec with CCT 2000K . Operating voltage range from 180V to 265V, 50Hz AC power Supply	No
20	Supplying & Fixing of High Intensity Discharge Electro Magnetic ballast suitable for Mercury Vapour Lamp with Class H insulated copper wire. Operating voltage range from 180V to 265V, 50Hz AC power Supply. Ballast/Choke for Mercury Vapour Lamp - 250 Watts	No
21	Supplying & Fixing of Ignitor Suitable for 70 to 400 Watts SV/MH fittings. Operating voltage range from 180V to 265V, 50Hz AC power Supply	No
22	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting management.2.Precise lighting turnoff.3.Load ballancing.4.Load power regulation.5.Status tracking. It works on the basis of some of these features 1) Main Control Unit (Mother board) : Handles controlling , data handling and other communication process. 2) Communication unit: GSM/GPRS quad bandwith RS232 interface wireless communication unit 3) Gate Driver Unit: Firing angle controllable board for driving the thyristor 4) Switching Thyristor: SCR 110 AMPS dual thyristor modules for switching 5) Embedded Firmware: Firmware to control , handle , process the data and communicate it wirelessly.6) Metal Enclosure : IP66 weather prof metal enclosure.7) Transformers: Customized step down transformers for various purposes.8) Wiring and other device assembly components.	Nos
23	Supplying and stringing of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A. 5) 3 X 25 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr
24	Stringing of 1.1kV grade aerial bunched 3 core cable of XLPE insulation of size (3x95) (for Phase conductor) + (1x70) (insulated messenger neutral) + (1x25) for street light control.	Mtrs
25	LT 2 Pin X Arms - MS (Dwg No. BESCOM/GM/QS&S/32 Dtd 24.11.2018	No
26	RCC Pole clamp - MS (Dwg No. BESCOM/GM/QS&S/30 Dtd 24.11.2018)	No
27	Supplaying of Piercing Connector Suitable for 16 Sqmm - 95 Sqmm AB Cable - Street Light Connections	No
28	Supplaying of Dead End Clamp/Anchor Clamp Assembly 25 to 95 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook)	No
29	Installation of Insulation piercing connector for main to street light Main:16-95sqmm,Tap :1.5-10sqmm(EP95)	No
30	Fixing of Universal/ Dead end Hook	No
31	Supplay of Suspension Clamp Assembly 16 to 70 Sqmm Bare Messenger(Exclusive of pole clamp and eye hook) 284845 No	No
32	Erection of Suspension Clamp - 25 to 95 sqmm bare messenger	
33	Laying of UG Cables by trenchless technology by adopting horizontal boring & Drawing of cable including preparation at site With HDPE Pipe i) Normal soil 5/6" bore size	
	Total Rs	
	GST Charges (12% on SR Electrical items) Item No 01 to 21	
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Elec)
BBMP, Bangalore

		0	223.65	0.00	0	0.00	
		10	73.48	734.80	10	734.80	
		395	5.75	2271.25	395	2271.25	
		10	350.17	3501.70	10	3501.70	
		15	1157.23	17358.45	15	17358.45	
		15	1351.48	20272.20	15	20272.20	
		15	367.42	5511.30	15	5511.30	
		4	32908.50	131634.00	4	131634.00	
		2497	113.10	282410.70	2497	282410.70	
		2497	14.35	35831.95	2497	35831.95	
		79	55.59	4391.61	79	4391.61	
		79	33.87	2675.73	79	2675.73	
		158	105.44	16659.52	158	16659.52	
		10	86.26	862.60	10	862.60	
		158	37.70	5956.60	158	5956.60	
		10	81.15	811.50	10	811.50	
		79	125.24	9893.96	79	9893.96	
		79	81.15	6410.85	79	6410.85	
		68	541.87	36847.16	68	36847.16	
	223445.94			**757832.12**		**757832.12**	
				26813.51		26813.51	
				784645.63		**784645.63**	